Compile

Commands

- query recommended compile flags for an application (from `/usr/lib/pkgconfig/*.pc`)

```
pkg-config --cflags "gdk-2.0"
```

- generate a pure assembly file with GCC

```
gcc -S -c -o test.s test.c
```

- generate an assembly file with C source code mixed

```
gcc -c -Wa,-a,-ad test.c > test.lst
```

  - `-Wa` instructs the GCC to pass the following options to AS
  - `-a` is a short form of `-ahls` which instructs the assembler to include assembly (`-al`), include high-level source (`-ah`) and to include symbols (`-as`)
  - `-ad` omits any debugging directives from listing

- show all **pre-defined** GCC preprocessor macros

```
cpp -dM /dev/null
```

- show defined preprocessor macros (cf. GCC Online Documentation)

```
gcc -E -dM <file>
```

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